

Claims

- [c1] What is claimed is:
- 1.A mobile phone comprising:
a circuit board; and
a connector comprising:
an insulative body having a first engaging sink for accommodating a microphone, and a second engaging sink for accommodating a coin battery, both being disposed on opposite sides of the insulative body;
a first conductive terminal, a second conductive terminal, and a third conductive terminal, each for connecting the microphone and the circuit board; and
a fourth conductive terminal and a fifth conductive terminal, both for connecting the coin battery and the circuit board.
 - [c2] 2.The mobile phone of claim 1 wherein the first engaging sink comprises at least a side wall having two fixing sinks for fixing the first conductive terminal and the second conductive terminal.
 - [c3] 3.The mobile phone of claim 1 wherein the second engaging sink comprises a frame having two hollows corresponding to the location of the two fixing sinks.

[c4] 4.The mobile phone of claim 3 wherein both the first conductive terminal and the second conductive terminal have a tongue on one side, stuck out from the two hollows for connecting to the circuit board, and have a retention portion on the other side for connecting and positioning the microphone, the tongue and the retention portion being integral on the first conductive terminal and the second conductive terminal.

[c5] 5.The mobile phone of claim 1 wherein the first engaging sink of the insulative body has a first trench with one edge penetrating the insulative body for accommodating the fourth conductive terminal, with the other edge not penetrating the insulative body for accommodating the third conductive terminal, and a second trench penetrating the insulative body for accommodating the fifth conductive terminal.

[c6] 6.The mobile phone of claim 1 wherein the third conductive terminal comprises a leading portion for connecting with the circuit board on the side of the first engaging sink, and a contact portion, bent out of the leading portion toward the opposite side of the circuit board, for connecting with the microphone on the side of the first engaging sink.

[c7] 7.The mobile phone of claim 1 wherein the fourth conductive terminal comprises a leading portion for connecting with the circuit board on the side of the first engaging sink, and a contact portion, bent out of the leading portion toward the opposite side of the circuit board, for connecting with the coin battery on the side of the second engaging sink.

[c8] 8.The mobile phone of claim 1 wherein the fifth conductive terminal comprises a leading portion for connecting with the circuit board on the side of the first engaging sink, and a contact portion, bent out of the leading portion toward the opposite side of the circuit board, for connecting with the coin battery on the side of the second engaging sink.